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ENGLISH ABSTRACT

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Title METHOD OF TRANSMISSION OF DATA PACKS IN GENERAL- PURPOSE COMMUNICATION CHANNEL AND CONTROL DEVICE

(71) Applicant information **Voennaja akademija svjazi**
(72) Inventor information **Kolesnikov V.B.**
(72) Inventor information **Sharov A.N.**
(73) Grantee (assignee) information **Voennaja akademija svjaz**

ABSTRACT:

FIELD: communication, applicable in radio communication networks with pack switching. SUBSTANCE: after check-out of condition of general-purpose communication channel data pack priority pulses are formed at duration $\Delta_{T_{j1}}$, where $l \in \{1, 2, \dots, L\}$, l - number of data pack priority, L - number of the lowest data pack priority, and j - number of pack radio communication installation, $\Delta_{T_{j1}} > \dots > \Delta_{T_{jl}} > \dots > \Delta_{T_{jk}}$ and $0 < T_j < T_r$, where T - duration of operating cycle of communication channel, at the same time a random pulse with a duration of Δ_{t_c} is generated with equiprobable law of its distribution in time interval $[0, T]$, and if condition $\Delta_{t_c} \in [0, T]$ is fulfilled, an enabling signal is generated, otherwise the actions in formation of enabling signal are repeated in the next clock of operation of communication channel. EFFECT: enhanced capacity of general-purpose communication channel at transmission of data packs with different categories of urgency in conditions of high information load. 4 cl, 14 dwg